JOURNAL OF PALEONTOLOGY

INDEX TO VOLUME 34

AUTHOR INDEX

	No.	Page
1. ADAMS, JOHN K., Note on Lower Tertiary and Upper Cretaceous Ostracoda from New Jersey (Paleontological Note)	2	371
2. ARNOLD, C. A., The morphology and anatomy of the American species of the genus *Psaronius*. By Jeanne Morgan (Review)	3	602
3. BANDY, O. L., The geologic significance of coiling ratios in the foraminifer *Globigerina pachyderma* (Ehrenberg)	4	671
4. BATES, J. D. and BIEMESDERFER, G., Stratigraphy and paleontology of an occurrence of diatomaceous earth in Nebraska (paleontological note)	4	759
5. BAXTER, JAMES W., *Calcisphaera* from the Salem (Mississippian) limestone in southwestern Illinois	6	1153
6. BERDAN, JEAN M., Revision of the Ostracode family Beecherellidae and redescription of Ulrich's types of *Beecherella*	3	467
BERDAN, JEAN M., see SOHN, I. G. (106)		
7. BERGENHAYN, J. R. M., Cambrian and Ordovician loricates from North America	1	168
8. BERGQUIST, H. R., Occurrence of Foraminifera and conodonts in Upper Paleozoic and Triassic rocks, northern Alaska (Paleontological Note)	3	596
9. BERRY, WILLIAM B. N., Early Ludlow graptolites from the Ashland area, Maine	6	1158
10. BHATIA, S. B. and MANDWAL, N. K., Burdigalian Ostracoda from the Surat-Broach area, western India	2	280
BIEMESDERFER, G., see BATES, J. D. (4)		
11. BOLD, W. A. VAN DEN, Note on some species of Ostracoda described by A. M. Norman (Paleontological Note)	3	592
12. BOUCOT, ARTHUR J., A new Lower Devonian stropheodontid brachiopod	3	483
BOYD, DONALD R., see MURRAY, GROVER E. (68)		
13. BROWN, ROLAND W., Corkwood in the Eocene flora of the southeastern U. S.	3	429
14. BURCKLE, LLOYD H., Some Mississippian fenestrate Bryozoa from central Utah	6	1077
BURGESS, J. D., see HOARE, R. D. (40)		
15. BURT, A. M. and WOOD, A. E., Variants among middle Oligocene rodents and lagomorphs	5	957
16. CAMPBELL, K. S. W., The brachiopod genera *Ingelarella* and *Notospirifer* in the Permian of Queensland	6	1106
CARRILLO B., JOSÉ, see MURRAY, GROVER E. (69)		
17. CIFELLI, RICHARD, Variation of English Bathonian Lagenidae and its phylogenetic significance	3	556
18. CLARK, DAVID L., *Parapuzosia* in the north Texas Cretaceous	2	233
CLARKE, CHARLES E., see REXROAD, CARL B. (86)		
19. CONNORS, J. L. and YOCHELSON, E. L., Principles of paleontology—Handbook for paleontologists and geologists of the U.S.S.R.—Y. A. Orlov, Editor (Review)	1	203
20. COOPER, G. A., Correction of brachiopod names (Nomenclatural Note)	3	601
21. CRICKMAY, C. H., Studies of the western Canada Stringocephalinae	5	874
22. CROPP, FREDERICK W., Pennsylvanian spore floras from the Warrior Basin, Mississippi and Alabama	2	359
23. DOW, V. E., Magnetic separation of conodonts	4	738
24. EASTON, W. H., Permian corals from Nevada and California	3	570
25. ESTES, RICHARD, Change of name for a Cretaceous chimaeroid (Nomenclatural Note)	5	1054
26. ETHINGTON, R. L. and FURNISH, W. M., Upper Ordovician conodonts from southern Manitoba	2	265
27. FAY, ROBERT O., *Ptychoblastus*, a new Mississippian blastoid from Missouri	6	1198
FISCHER, A. G., see OSGOOD, R. G. (75)		
28. FLÜGEL, ERIK, *Heterastridium conglobatum conglobatum* Reuss, an Upper Triassic hydrozoan from the Petra-Tou-Roumiou of Pendakomo, Cyprus	1	127
29. FOSS, TED H., Structure and composition of associated neurodontiformes and *Astraspis* scales from the Harding formation of Colorado (Paleontological Note)	2	372
30. FRANKEL, LARRY, Geographic distribution of *Planorbula vulcanata* Leonard in Nebraska (Paleontological Note)	3	591
FURNISH, W. M., see ETHINGTON, R. L. (26)		

FURNISH, W. M., see MURRAY, G. E. (69)
FURNISH, W. M., see SELLERS, D. H. A. (100)
31. GALLOWAY, J. J., Devonian stromatoporoids from the lower Mackenzie Valley of Canada ... 4 620
32. GLEN, WILLIAM, Pliocene fresh-water gastropods from San Mateo County, California ... 6 1207
33. GORDON, MACKENZIE, JR., Some American midcontinent Carboniferous cephalopods 1 133
34. GRAHAM, ALAN, Miocene Floras of the Columbia Plateau. Part I.
Chaney, Ralph W. Composition and Interpretation. Part II.
Chaney, Ralph W., and Axelrod, Daniel I. (Review) ... 3 603
35. GRAY, JANE, Fossil chlorophycean algae from the Miocene of Oregon ... 3 453
36. GREEN, MORTON, A Tertiary *Cynomys* from South Dakota ... 3 545
37. GREEN, MORTON and MARTIN, HAROLD, *Bison latifrons* in South Dakota ... 3 548
38. GUTSCHICK, R. C., Photography of Palezoic arenaceous Foraminifera (Paleontologic Note) ... 4 756
HATTIN, D. E., see PERRY, T. G. (78)
39. HOARE, R. D., New Pennsylvanian Brachiopoda from southwest Missouri ... 2 217
40. HOARE, R. D. and BURGESS, J. D., Fauna from the Tensleep Sandstone in Wyoming 4 711
41. HOFKER, J., The type localities of the Maestrichtian (Maestrichtian chalk tuff) and of the Montian (Tuffeau de Ciply, Calcaire de mons, Lagunar, and Lacustre Montian) 3 584
42. HOWARTH, M. K., Generic names for Ammonoidea published during the period 1758–1954 ... 1 194
43. HOWE, H. J., *Turbinolia rosetta*, a new coral species from the Paleocene of Alabama 5 1020
HU, CHUNG-HUNG, see LOCHMAN, CHRISTINA (61)
44. IRELAND, H. A., Emendations to Upper Pennsylvanian arenaceous Foraminifera from Kansas (Nomenclatural Note) ... 6 1218
45. JEFFORDS, R. M. and MILLER, T. H., Air brush for whitening fossils, and notes on photography ... 2 275
46. JELINEK, A. J., A late Pleistocene vertebrate fauna from Texas ... 5 933
47. JOHNSON, J. HARLAN and KONISHI, KENJI, An interesting late Cretaceous calcareous alga from Guatemala ... 6 1099
JONES, D. H., see STEVENS, C. H. (109)
48. JONES, DAVID L., Lower Cretaceous (Albian) fossils from southwestern Oregon and their paleogeographic significance ... 1 152
49. JONES, DAVID L., Pelecypods of the genus *Pterotrigonia* from the west coast of North America ... 3 433
50. JUX, ULRICH, *Montecaris lehmanni*, A new crustacean from the Rhenish Devonian and the problem of its systematic position ... 6 1129
51. KESLING, R. V., Grundzüge der zoologischen Mikropaläontologie, by Valdimier Pokorný (Review) ... 1 205
52. KIER, PORTER M., Cenozoic echinoids of Eastern United States by C. Wythe Cooke (Review) ... 3 602
53. KLING, STANLEY A., Permian fusulinids from Guatemala ... 4 637
54. KOLOSVÁRY, G., New fossil balanid localities in Hungary (Paleontological Note) 3 590
55. KOLOSVÁRY, G., The phylogenetic classification of the madreporarian corals (Paleontological Note) ... 5 1051
KONISHI, KENJI, see JOHNSON, J. HARLAN (47)
KONIZESKI, R., see ROHRER, W. L. (88)
56. KORNICKER, LOUIS S., Methods of measuring the internal volume of shells (Paleontological Note) ... 3 595
57. KRINSLEY, D., Magnesium, strontium, and aragonite in the shells of certain littoral gastropods ... 4 744
58. KUMMEL, BERNHARD, Triassic ammonoids from Thailand ... 4 682
LANGENHEIM, R. L., JR., see STENSAAS, L. J. (108)
59. LAUGHBAUM, L. RONALD, A Paleoecologic study of the upper Denton formation, Tarrant, Denton, and Cooke counties, Texas ... 6 1183
60. LEUTZE, W. P., Silurian eurypterids from West Virginia ... 5 1023
61. LOCHMAN, CHRISTINA and HU, CHUNG-HUNG, Upper Cambrian faunas from the northwest Wind River Mountains, Wyoming. Part 1 ... 5 793
62. LUNDELIUS, ERNEST, JR. and WARNE, S. ST. J., Mosasaur remains from the Upper Cretaceous of western Australia (Paleontological Note) ... 6 1215
63. MACDONALD, J. R., An early Pliocene fauna from Mission, South Dakota ... 5 961
MANDWAL, N. K., see BHATIA, S. B. (10)
MARTIN, HAROLD, see GREEN, MORTON (37)
64. MAWBY, J. E., A new American occurrence of *Heterosorex* Gaillard ... 5 950
65. MCGUGAN, A., A new species of the pelecypod *Megalodon* from the Permo-Carboniferous of the Banff area, Alberta ... 1 101
MILLER, T. H., see JEFFORDS, R. M. (45)

66. MUESEBECK, C. F. W., A fossil braconid wasp of the genus *Ecphylus* (Hymenoptera) 3 495
67. MURPHY, M. A. and RODDA, P. U., Mollusca of the Cretaceous Bald Hills formation of California 5 835
68. MURRAY, GROVER E., BOYD, DONALD R,. WOLLEBEN, JAMES A. and WILSON, JOHN A., Late Cretaceous fossil locality, eastern Parras Basin, Coahuila, Mexico (Paleontological Note) 2 368
69. MURRAY, G. E., FURNISH, W. M. and CARILLO B. JOSÉ, Carboniferous goniatites from Caballeros Canyon, State of Tamaulipas, Mexico 4 731
70. NELSON, SAMUEL J., Mississippian lithostrotionid zones of the southern Canadian Rocky Mountains 1 107
71. OLIVER, WILLIAM A., JR., Rugose corals from reef limestones in the Lower Devonian of New York 1 59
72. OLSEN, STANLEY J., Age and faunal relationship of *Tapiravus* remains from Florida 1 164
73. OLSON, EVERETT C., A trilophosaurid reptile from the Kootenai formation (Lower Cretaceous) 3 551
74. OLSSON, RICHARD K., Foraminifera of latest Cretaceous and earliest Tertiary age in the New Jersey Coastal Plain 1 1
75. OSGOOD, R. G., JR. and FISCHER, A. G., Structure and preservation of *Mastopora pyriformis*, an Ordivician dasycladacean alga 5 896
76. PACKARD, E. L., Hypotypes of *Phylloceras onoense* Stanton 3 421
77. PALMER, ALLISON R., Miocene copepods from the Mojave Desert. California 3 447
78. PERRY, T. G. and HATTIN, D. E., Osgood (Niagaran) bryozoans from the type area 4 695
79. PERRY, T. G., and RODRIGUEZ, JOAQUIN, Lectotype of *Anisotrypa symmetrica* Ulrich 2 277
80. PESTANA, H. R., Fossils from the Johnson Spring formation, Middle Ordovician, Independence Quadrangle, California 5 862
81. POPE, J. K., *Sokolophocoleus*, new name for the Machaeridian genus, *Lophocoleus* Ruedemann (Nomenclatural Note) 5 1054
82. PRAKASH, U., A survey of the Deccan Intertrappean flora of India 5 1027
83. PULSE, RICHARD R. and SWEET, WALTER C., The American Upper Ordovician standard. III. Conodonts from the Fairview and McMillan formations of Ohio, Kentucky, and Indiana 2 237
84. RAUP, D. M., Ontogenetic variation in the crystallography of echinoid calcite 5 1041
85. RAW, FRANK, Outline of a theory of origin of the vertebrate 3 497
86. REXROAD, CARL B. and CLARKE, CHARLES R., Conodonts from the Glen Dean formation of Kentucky and equivalent formations of Virginia and West Virginia 6 1202
87. RICH, MARK, *Chaetetes* in the Bird Spring Formation near Lee Canyon, Clark County, Nevada (Paleontological Note) 4 761
RODDA, P. U., see MURPHY, M. A. (67)
RODRIGUEZ, JOAQUIN, see PERRY, T. G. (79)
88. ROHRER, W. L. and KONIZESKI, R., On the occurrence of *Edmontosaurus* in the Hell Creek formation of Montana 3 464
89. ROSS, C. A., Population study of charophyte species, Morrison Formation Colorado 4 717
90. ROSS, JUNE R. P. PHILLIPS, Type species of *Ptilodictya—Ptilodictya lanceolata* (Goldfuss) 3 440
91. ROSS, JUNE PHILLIPS, Re-evaluation of the type species of *Arthropora* Ulrich 5 859
92. ROSS, JUNE PHILLIPS, Larger cryptostome Bryozoa of the Ordovician and Silurian, Anticosti Island, Canada—Part 1 6 1057
93. RUSSELL, D. A., A review of the Oligocene insectivore *Micropternodus borealis* 5 940
94. RUZHENCEV, V. E., Ammonoid classification problems 4 609
95. SABOL, J. W., An emendation of the description of *Nodosaria catesbyi*, d'Orbigny (Paleontological Note) 3 594
96. SADLICK, WALTER, New name for *Spirifer occidentalis* (Girty) and its geologic history 6 1210
97. SCHLAUDT, C. M. and YOUNG, KEITH, Acrothoracic barnacles from the Texas Permian and Cretaceous 5 903
98. SCHMALTZ, L. J., Occurrence of vertebrate remains in Nebraskan till of north-central Missouri (Paleontological Note) 4 762
99. SEILACHER, ADOLF, Epizoans as a key to ammonoid ecology 1 189
100. SELLERS, D. H. A. and FURNISH, W. M., Mississippian ammonoids from Northwestern Canada 6 1124
101. SHAVER, R. H., The Pennsylvanian ostracode *Bairdia oklahomaensis* in Indiana 4 656
102. SILLMAN, LEONARD R., The origin of the vertebrates 3 540
103. SINCLAIR, G. WINSTON, Use of the term "variety" in paleontology (Nomenclatural Note) 1 201
104. SLAUGHTER, BOB H., A new species of *Smilodon* from a late Pleistocene alluvial terrace deposit of the Trinity River 3 486
105. SNYDER, THOMAS E., Fossil termites from Tertiary amber of Chiapas, Mexico (Isoptera) 3 493
106. SOHN, I. G. and BERDAN, JEAN M., The Ostracode family Berounellidae, new 3 479

107.	SQUIRES, D. F., *Wellsotrochus*, a new name for *Wellsia* Squires, 1958 (Nomenclatural Note)	5	1053
108.	STENSAAS, L. J. and LANGENHEIM, R. L., JR., Rugose corals from the lower Mississippian Joana limestone of Nevada	1	179
109.	STEVENS, C. H., JONES, D. H. and TODD, R. G., Ultrasonic vibrations as a cleaning agent for fossils	4	727
110.	STUMM, ERWIN C., New rugose corals from the Middle and Upper Devonian of New York	1	161
111.	STUMM, ERWIN C., The holotype of *Favosites biloculi* Hall (Paleontological Note)	3	589
	SWEET, WALTER C., see PULSE, RICHARD R. (83)		
112.	TASCH, PAUL, Conchostracan genus *Anomalonema* in the American Pennsylvanian	2	285
113.	TEICHERT, CURT, Lehrbuch der Paläozoologie, by A. H. Müller (Review)	2	374
114.	TILLMAN, C. G., *Spathacalymene*, an unusual new Silurian trilobite genus	5	891
	TODD, R. G., see STEVENS, C. H. (109)		
115.	TRUJILLO, ERNEST F., Upper Cretaceous Foraminifera from near Redding, Shasta County, California	2	290
116.	WALLER, HARRY O., Foraminiferal biofacies off the south China Coast	6	1164
	WARNE, S. ST. J., see LUNDELIUS, ERNEST (62)		
117.	WELLER, J. M., Authorship of name *Mesolobus striatus* (Paleontological Note)	4	762
118.	WELLER, J. M., Development of Paleontology	5	1001
119.	WHITTINGTON, H. B., *Cordania* and other trilobites from the Lower and Middle Devonian	3	405
120.	WILLIAMS, E. G., Marine and fresh water fossiliferous beds in the Pottsville and Allegheny groups of western Pennsylvania	5	908
121.	WILSON, J. A., Miocene carnivores, Texas coastal plain	5	983
	WILSON, JOHN A., see MURRAY, GROVER E. (68)		
122.	WINKLER, E. M., Post-Pleistocene ostracodes of Lake Nipissing age	5	923
	WOLLEBEN, JAMES A., see MURRAY, GROVER E. (68)		
	WOOD, A. E., see BURT, A. M. (15)		
	YOCHELSON, E. L., see CONNORS, J. L. (19)		
123.	YOUNG, KEITH, Biostratigraphy and the new paleontology	2	347
	YOUNG, KEITH, see SCHLAUDT, C. M. (97)		

SUBJECT INDEX

Aceton sullivanae: new species, gastropod (67)
Actinocythereis levinsoni: new species, ostracod (10)
Aknisophyllum consuitum: new genus and new species, coral (71)
Alabama: Paleocene coral (43); Pennsylvanian spores (22)
Alabamina jimrothi: new species, foraminifer (115)
Alaska: Paleozoic and Triassic foraminifers and conodonts (8)
Alberta: Permo-Carboniferous pelecypod (65)
Americare: new genus, trilobite (61)
Ammonites: Cretaceous, California (76)
Ammonoids: Cretaceous, Texas (18); Mississippian, Canada (100); Triassic, Thailand (58); classification (94); epizoans, ecology (90); generic names, 1758–1954 (42)
Ampullina mona: new species, gastropod (67)
Ampullina stantoni: new species, gastropod (67)
Anisotrypa symmetrica: Mississippian bryozoan (79)
Anomalina popenoei: new species, foraminifer (115)
Anomalinoides highlandicus: new species, foraminifer (74)
Anomalinoides pseudowelleri: new species, foraminifer (74)
Anomalonema (Anomalonema): new subgenus, conchostracan (112)
Anomalonema (Pierrepruvostia): new subgenus, conchostracan (112)
Anostylostioma vacuolatum: new species, stromatoporoid (31)
Anthaspidella inyoensis: new species, coral (80)
Anticosti: Ordovician and Silurian bryozoans (92)
Aphelognathus irregularis: new species, conodont (83)
Arthropora shafferi: Ordovician bryozoan (91)
Astacolus polandensis: new name, foraminifer (115)
Astrapis: Ordovician, Colorado (29)
Australia: Cretaceous mosasaurs (62)
Axinolobus modulus: new genus and new species, cephalopod (33)
Bairdia oklahomaensis: Pennsylvanian ostracod (101)
Balanus: Hungarian localities (54)
Baltagnostus wyomingensis: new species, trilobite (61)

Barnacles: Permian and Cretaceous, Texas (97)
Beecherella: Paleozoic ostracod (6)
Beecherellidae: Paleozoic ostracods (6)
Belodina leithi: new species, conodont (26)
Berounellidae: new family, ostracods (106)
Biostratigraphy (123)
Bison latifrons: Pleistocene, South Dakota (37)
Blastoid: Mississippian, Missouri (27)
Bolivinoides compressa: new species, foraminifer (74)
Brachiopods: Cambrian, Wyoming (61); Devonian, Canada (21), Nova Scotia (12); Pennsylvanian, Missouri (39); Permian, Queensland (16); *Spirifer occidentalis* (Girty) (96)
Brachyelasma bassleri: new species, coral (80)
Branchiopods: Devonian, Germany (50)
Briantelasma americanum: new genus and new species, coral (71)
Briantelasma knoxboroense: new genus and new species, coral (71)
Bryozoans: Ordovician, Anticosti (92), *Arthropora* (91); Silurian, Anticosti (92), England, Germany, Gotland (90), Indiana (78); Mississippian, Kentucky (79), Utah (14)
Bulmina hornerstowensis: new species, foraminifer (74)
Bulimina pseudocacumenata: new species, foraminifer (74)
Calcisphaera: Mississippian, Illinois (5)
California: Cretaceous ammonites (76), Foraminifera (115), mollusks (67), pelecypods (49); Miocene copepods (77); Ordovician corals (80); Permian corals (24); Pliocene gastropods (32); Recent foraminifera (3)
Cambrian: faunas, Wyoming (61); loricates, North America (7)
Canada: Devonian brachiopods (21), stromatoporoids (31); Mississippian ammonoids (100), corals (70)
Candona poseyensis: new species, ostracod (122)
Caninia trojana: new species, coral (24)
Carboniferous: cephalopods, U. S. A. (33); *Chaetetes,* Nevada (87); goniatites, Mexico (69)
Cephalopods: Carboniferous, North America (33); Cretaceous, California (67), Oregon (48)
Ceramopera vesicularis: new species, bryozoan (78)
Chaetetes: Carboniferous, Nevada (87)
Chelodes depressus: new species, loricate (7)
Chelodes intermedius: new species, loricate (7)
Chimaerotheca gilli: new name, egg case (25)
China: Recent foraminiferal biofacies (116)
Cibicides compressa: new species, foraminifer (74)
Cleoniceras? dilleri: new species, cephalopod (48)
Clinura anassa: new species, gastropod (67)
Coelogasteroceras coxi: new name, cephalopod (33)
Colorado: Jurassic charophytes (89); Oligocene rodents and lagomorphs (15); Ordovician neurodontiformes and *Astrapis* (29)
Composita tetralobata: new species, brachiopod (39)
Conchostracan: Pennsylvanian, Pennsylvania (112)
Conodonts: Ordovician, Manitoba (26), Ohio, Kentucky, Indiana (83); Mississippian, Kentucky, Virginia, West Virginia (86); Paleozoic and Triassic, Alaska (8); magnetic separation (23)
Copepods: Miocene, California (77)
Corals: Ordovician, California (80); Devonian, New York (71, 110, 111); Mississippian, Canada (70), Nevada (108); Permian, Nevada and California (24); Paleocene, Alabama (43); classification (55)
Cordania: Devonian trilobite (119)
Cordania falcata: new species, trilobite (119)
Cretaceous: alga, Guatemala (47); ammonoids, California (76), Texas (18); barnacles, Texas (97); cephalopods, Oregon (48); Denton formation, Texas (59); dinosaur, Montana (88); Foraminifera, New Jersey (74), California (115); Maestrichtian type locality (41); mollusks, California (67), Mexico (68); mosasaurs, Australia (62); ostracods, New Jersey (1); pelecypods, Oregon (48); West Coast, U.S.A. (49); plants, India (82); reptile, Montana (72)
Cribrostomoides californiensis: new species, foraminifer (115)
Crystallography: echinoid calcite (84)
Cylichna andersoni: new species, gastropod (67)
Cynomys spispiza: new species, prairie dog (36)
Cyphotrypa osgoodensis: new species, bryozoan (78)
Cypria nipissingae: new species, ostracod (122)
Cyprus: Triassic hydrozoan (28)
Cyrtoniodus sinclairi: new species, conodont (26)
Dentalina crosswicksensis: new species, foraminifer (74)
Dentalina(?) pseudoaculeata: new species, foraminifer (74)

Dentalina rancocasensis: new species, foraminifer (74)
Dentalina toulmini: new species, foraminifer (74)
Depasophyllum tabulatum: new species, coral (110)
Desmoinesia: new genus, brachiopod (39)
Devonian: brachiopods, Nova Scotia (12), Canada (21); brachiopod, Germany (50); corals, New York (71, 110, 111); stromatoporoids, Canada (31); trilobites, Quebec, Maine, New York, Tennessee, Oklahoma (119)
Diatomaceous earth: Pleistocene, Nebraska (4)
Dictyoclostus tiawahensis: new species, brachiopod (39)
Dielymella? trituberculata: new species, conchostracan (61)
Dorothia monmouthensis: new species, foraminifer (74)
Echinoids: crystallography of calcite (84)
Ecology: epizoans, ammonoids (90)
Ecphylus oculatus: new species, wasp (66)
Edaphocyon pointblankensis: new genus and new species, carnivore (121)
Edmontosaurus: Cretaceous dinosaur (88)
England: Jurassic foraminiferans (17), Silurian bryozoan (90)
Eocene: corkwood, United States (13)
Eofletcheria kearsargensis: new species, coral (80)
Eogunnarites matsumotoi: new species, cephalopod (67)
Eoligonodina fairmountensis: new species, conodont (83)
Eolissochonetes bilobatus: new genus and new species, brachiopod (39)
Epizoans: ammonoid ecology (90)
Eponides bandyi: new species, foraminifer (115)
Eponides birdi: new species, foraminifer (115)
Eponides goudkoffi: new species, foraminifer (115)
Eponides greatvalleyensis: new species, foraminifer (115)
Eucypris tuberculata: new species, ostracod (122)
Eurypterids: Silurian, West Virginia (60)
Euspira marianus: new species, gastropod (67)
Euspira popenoei: new species, gastropod (67)
Favosites biloculi: Devonian coral (111)
Fayettevillea planorbis: new genus and new species, cephalopod (33)
Fenestella acarinata: new species, bryozoan (14)
Fenestella (Minilya) crockfordae: new species, bryozoan (14)
Fenestella dissepinodaria: new species, bryozoan (14)
Fenestella hamilhensis: new species, bryozoan (14)
Fenestella (Minilya) incipiens: new species, bryozoan (14)
Fenestella serratula humbugensis: new subspecies, bryozoan (14)
Fenestella tooelensis: new species, bryozoan (14)
Fenestralia trifurcata: new species, bryozoan (14)
Fenestella utahensis: new species, bryozoan (14)
Ferestromatopora jacquesensis: new species, stromatoporoid (31)
Fistulipora promiscua: new species, bryozoan (78)
Fletcherina incognita: new species, coral (71)
Florida: Tertiary tapir (72)
Fluminicola sanmateoensis: new species, gastropod (32)
Foraminifera: Pennsylvania, Kansas (44); Paleozoic and Triassic, Alaska (8); Jurassic, England (17); Cretaceous, California (115); Cretaceous-Tertiary, New Jersey (74); Miocene, Virginia (95); Recent, California (3), China coast (116); photography (38)
Frondicularia durrelli: new species, foraminifer (115)
Fusulinids: Permian, Guatemala (53)
Gastropods: Cretaceous (67) and Pliocene (32), California; Pleistocene, Nebraska (30); contained minerals (57)
Gaudryina bulloides: new species, foraminifer (74)
Gaudryina monmouthensis: new species, foraminifer (74)
Gavelinella limbata: new species, foraminifer (74)
Germany: Devonian branchiopod (50); Silurian bryozoan (90)
Globigerina pachyderma: Recent foraminifer (3)
Globorotalia crosswicksensis: new foraminifer (74)
Globorotalia monmouthensis: new species, foraminifer (74)
Globorotalia redbankensis: new species, foraminifer (74)
Globotruncana monmouthensis: new species, foraminifer (74)
Glyptoglossella: new name, brachiopod (20)
Goniatites: Carboniferous, Mexico (69)
Gotland: Silurian bryozoan (90)
Graptolites: Silurian, Maine (9)

Grewingkia whitei: new species, coral (80)
Guatemala: Cretaceous alga (47); Permian fusulinids (53)
Gyrodes allisoni: new species, gastropod (67)
Gyrodes greeni: new species, gastropod (67)
Gyroidinoides imitata: new species, foraminifer (74)
Haplophragmoides sewellensis: new species, foraminifer (74)
Hemitrypa reticulata: new species, bryozoan (14)
Henningopora apta: new species, bryozoan (78)
Heterastridium conglobatum conglobatum: Triassic hydrozoan (28)
Heterosorex: Miocene vertebrate (64)
Heterotermes primaevus: new species, termite (105)
Heterotrypa? perplexa: new species, bryozoan (78)
Homevalia pelicanensis: new species, brachiopod (16)
Hungary: *Balanus* localities (54)
Hydrozoan: Triassic, Cyprus (28)
Illinois: Mississippian calcispheres (5)
India: Cretaceous-Eocene Deccan plants (82); Miocene ostracods (10)
Indiana: Ordovician conodonts (83); Pennsylvanian ostracod (101); Silurian bryozoans (78), trilobite (114)
Ingelarella havilensis: new species, brachiopod (16)
Ingelarella ingelarensis: new species, brachiopod (16)
Ingelarella magna: new species, brachiopod (16)
Ingelarella mantuanensis: new species, brachiopod (16)
Ingelarella plana: new species, brachiopod (16)
Ingelarella plica: new species, brachiopod (16)
Insects: Tertiary, Mexico: wasp (66), termites (105)
Johnson Spring formation: Ordovician, California (80)
Josina festiva: new genus and new species, trilobite (61)
Jurassic: charophytes, Colorado (89); Foraminifera, England (17)
Kansas: Pennsylvanian Foraminifera (44)
Kentucky: Mississippian bryozoan (79), conodonts (86); Ordovician conodonts (83)
Lagena distincta: new species, foraminifer (74)
Lagena pseudocostata: new species, foraminifer (74)
Lagena rancocasensis: new species, foraminifer (74)
Lagenidae: Jurassic Foraminifera (17)
Lamarckina praenaheolensis: new species, foraminifer (74)
Lamarckina reedana: new species, foraminifer (115)
Leitneria eocenica: new combination, corkwood (13)
Lenticulina californiensis: new species, foraminifer (115)
Lichenaria sisyphi: new species, coral (80)
Lingulina californiensis: new species, foraminifer (115)
Lingulina lucillea: new species, foraminifer (115)
Linoproductus distortus: new species, brachiopod (39)
Linoproductus echinatus: new species, brachiopod (39)
Linoproductus planiventralis: new species, brachiopod (39)
Lithostrotion connorsensis: new species, coral (24)
Lithostrotion dilatata: new species, coral (24)
Lithostrotion mokomokensis: new species, coral (24)
Lithostrotion princeps: new species, coral (24)
Lithostrotion warreni: new species, coral (70)
Lithostrotionella bailliei: new species, coral (70)
Lithostrotionella stelcki: new species, coral (70)
Lonsdaleia cordillerensis: new species, coral (24)
Lonsdaleia illipahensis: new species, coral (24)
Loricates: Cambian and Ordovician, North America (7)
Macgeea ponderosa: new species, coral (110)
Maestrichtian: type locality (41)
Maine: Devonian trilobites (119); Silurian graptolites (9)
Manitoba: Ordovician conodonts (26)
Marginulina loisana: new species, foraminifer (115)
Marginulinopsis praetschoppi: new species, foraminifer (115)
Mariella (Mariella) fricki: new species, cephalopod (67)
Marssonella conica: new species, foraminifer (74)
Mastopora pyriformis: Ordovician alga (75)
Megalodon banffensis: new species, pelecypod (65)
Mesolobus striatus: new species, brachiopod (39)
Mesolobus striatus: authorship (117)

Mexico: Carboniferous goniatites (69); Cretaceous mollusks and dinosaurs of Hipolito (68); Oligocene or Miocene wasp (66); Tertiary termites (105)
Michigan: Recent ostracods (122)
Micropternodus borealis: Oligocene insectivore (93)
Mictophyllum orientalis: new species, coral (110)
Minicephalus primus: new genus and new species, trilobite (61)
Miocene: algae, Oregon (35); carnivores, Texas (121); copepods, California (77); Foraminifera, Virginia (95); *Heterosorex*, Oregon (64); ostracods, India (10)
Mississippi: Pennsylvanian spores (22)
Mississippian: ammonoids, Canada (100); blastoid, Missouri (27); bryozoans, Utah (14), Kentucky (79); calcispheres, Illinois (5); conodonts, Kentucky, Virginia, West Virginia (86); corals, Canada (70), Nevada (108)
Missouri: Mississippian blastoid (27); Pennsylvanian brachiopod (39); Pleistocene vertebrates (98)
Mitorthoceras perfilosum: new genus and new species, cephalopod (33)
Mollusks: Cretaceous, Mexico (68)
Monograptus forbesi: new species, graptolite (9)
Monograptus tumescens contus: new variety, graptolite (9)
Monograptus vulgaris ashlandensis: new variety, graptolite (9)
Monotrypa exseria: new species, bryozoan (78)
Montecaris lehmanni: new species, branchiopod (50)
Montian: type locality (41)
Montana: Cretaceous dinosaur (88), reptile (73); Oligocene insectivore (93)
Mystrocephala: new genus trilobite (119)
Nebraska: Pleistocene diatomaceous earth (4), gastropod (30)
Neoglyphioceras hyatti: new name, cephalopod (33)
Neospirifer goreii brevimarginatus: new variety, brachiopod (39)
Neurodontiformes: Ordovician, Colorado (29)
Nevada: Carboniferous *Chaetetes* (87); Mississippian corals (108), Permian (24)
New Jersey: Cretaceous-Tertiary, foraminifera (74), ostracods (1)
New York: Devonian corals (71, 110, 111), trilobites (119)
Nodosarella irregularis: new species, foraminifer (74)
Nodosarella monmouthensis: new species, foraminifer (74)
Nodosarella wintereri: new species, foraminifer (115)
Nodosaria catesbyi, emend.: Miocene foraminifer (95)
Nodosaria redbankensis: new species, foraminifer (74)
Nodosaria spinosa: new species, foraminifer (74)
Nodosaria spinosa: new species, foraminifer (74)
North America: Cambrian loricates (7); Mississippian cephalopods (33); Ordovician loricates (7)
Notospirifer minutus: new species, brachiopod (16)
Nova Scotia: Devonian brachiopods (12)
Ohio: Ordovician conodonts (83)
Oklahoma: Devonian trilobites (119)
Oligocene: insectivore, Montana (93); rodents and lagomorphs, South Dakota and Colorado (15)
Ordovician: alga, Virginia (75); bryozoans, Anticosti (92), *Arthopora* (91); conodonts, Manitoba (26), Ohio, Kentucky, Indiana, (83); corals, California (80); loricates, North America (7); neurodontiformes and *Astraspis*, Colorado (29)
Oregon: Cretaceous cephalopods (48), pelecypods (48, 49); Miocene algae (35), *Heterosorex* (64)
Ostracods: Pennsylvanian, Indiana (101); Cretaceous and Tertiary, New Jersey (1); Miocene, India (10); Recent, Michigan (122); A. M. Norman species (11); *Beecherella* and Beecherellidae (6); Berounellidae, n. fam. (106)
Oulodus casteri: new species, conodont (83)
Pachyglossella: new name, brachiopod (20)
Paleocene: coral, Alabama (43); Montian type locality (41).
Paleoecology: Cretaceous Denton formation, Texas (59)
Paleontology: history (118)
Paleophyllum mazourkensis: new species, coral (80)
Paleopsephaea sacramentica: new species, gastropod (67)
Paleozoic: Foraminifera and conodonts, Alaska (8)
Paracravenoceras ozarkense: new genus and new species, cephalopod (33)
Parafusulina biturbinata: new species, fusulinid (53)
Parafusulina erratoseptata: new species, fusulinid (53)
Parafusulina subrectangularis: new species, fusulinid (53)
Parapholyx durhami: new species, gastropod (32)
Parapuzosia: Cretaceous, Texas (18)
Parrella convexa: new species, foraminifer (74)
Pelecypods: Permo-Carboniferous, Alberta (65); Cretaceous, Oregon (48), West Coast (49)

Pennsylvania: Pennsylvania conchostracan (112); Pottsville and Allegheny faunas (120)
Pennsylvanian: brachiopods, Missouri (39); conchostracan, Pennsylvania (112); Foraminifera, Kansas (44); ostracod, Indiana (101); Pottsville and Allegheny faunas, Pennsylvania (120); spores, Mississippi and Alabama (22); Tensleep fauna, Wyoming (40)
Permian: barnacles, Texas (97); brachiopods, Queensland (16); corals, Nevada and California (24); fusulinids, Guatemala (53)
Permo-Carboniferous: pelecypod, Alberta (65)
Pernerina redbankensis: new species, foraminifer (74)
Peripetoceras whitei: new name, cephalopod (33)
Phylloceras onoense: Cretaceous ammonite (76)
Planorbula vulcanata: Pleistocene gastropod (30)
Plants: Cretaceous-Eocene, India (82); algae, Ordovician, Virginia (75), Cretaceous, Guatemala (47), Miocene, Oregon (35); Jurassic charophytes, Colorado (89); Eocene corkwood, U.S.A. (13); Pennsylvanian spores, Alabama and Mississippi (22)
Planularia howelli: new species, foraminifer (74)
Pleistocene: bison, South Dakota (37); diatomaceous earth, Nebraska (4); gastropod, Nebraska (30); sabertooth cat, Texas (104); vertebrates, Texas (46), Missouri (98)
Pleurostomella greatvalleyensis: new species, foraminifer (115)
Pliocene: gastropods, California (32); mammals, South Dakota (63)
Polypora micronodosa: new species, bryozoan (14)
Polypora stansburyensis: new species, bryozoan (14)
Praeglobotruncana hansbolli: new species, foraminifer (115)
Preacanthochiton cooperi: new genus and new species, loricate (7)
Preacanthochiton depressus: new genus and new species, loricate (7)
Preacanthochiton productus: new genus and new species, loricate (7)
Preacanthochitonidae: new family, loricates (7)
Prioniodina velicuspis: new species, conodont (83)
Procamelus foxi: new species, camel (63)
Prolecanites warreni: new species, ammonoid (100)
Pseudoblothrophyllum arrectum: new genus and new species, coral (71)
Pseudoblothrophyllum helderbergium: new genus and new species, coral (71)
Pseudoblothrophyllum munnsvillium: new genus and new species, coral (71)
Pseudoparrella minuta: new species, foraminifer (74)
Pterotrigonia: Cretaceous pelecypod (49)
Ptilodictya denticulata: new species, bryozoan (92)
Ptilodictya lanceolata: Silurian bryozoan (90)
Ptychoblastus pustulosus: new genus and new species, blastoid (27)
Ptychopleurella arthuri: new species, brachiopod (80)
Ptylopora condrai: new species, bryozoan (14)
Ptylopora eliasi: new species, bryozoan (14)
Puzosia puma: new species, cephalopod (67)
Puzosia sullivanae: new species, cephalopod (67)
Pycnoporidium sinusosum: new species, alga (47)
Pygmaeoceras: new genus, cephalopod (33)
Quebec: Devonian trilobites (119)
Queensland: Permian brachiopods (16)
Rayonnoceras foerstei: new name, cephalopod (33)
Recent: Foraminifera, California (3), China coast (116); ostracods, Michigan (122)
Reinholdella brotzeni: new species, foraminifer (74)
Reticycloceras croneisi: new genus and new species, cephalopod (33)
Reviews: (2, 19, 34, 51, 52, 113)
Robulus hornerstownensis: new species, foraminifer (74)
Robulus jenningsi: new species, foraminifer (74)
Robulus rancocasensis: new species, foraminifer (74)
Rogerella cragini: new species, barnacle (97)
Rugoglobigerina jerseyensis: new species, foraminifer (74)
Rugoglobigerina kingi: new species, foraminifer (115)
Rugoglobigerina praehelvetica: new species, foraminifer (115)
Saracenaria cowcreekensis: new species, foraminifer (115)
Seabrookia stewarti: new species, foraminifer (74)
Septopora ulrichi: new species, bryozoan (14)
Silurian: bryozoans, Anticosti (92), Indiana (78), England, Germany, Gotland (90); eurypterids, West Virginia (60); graptolites, Maine (9); trilobite, Indiana (114)
Siphonophrentis variabilis: new species, coral (71)
Smilodon trinitiensis, new species, sabertooth cat (104)
Sokolophocoleus: new name, echinoderm (81)

Sollariella stewarti: new species, gastropod (67)
South Dakota: Oligocene rodents and lagomorphs (15); Pleistocene bison (37); Pliocene mammals (63); Tertiary prairie dog (36)
Spathacalymene: new genus, trilobite (114)
Spirifer occiduus: new name, brachiopod (96)
Stigmatella dubia: new species, bryozoan (78)
Streptelasma tennysoni: new species, coral (80)
Stringocephalus chasmognathus: new species, brachiopod (21)
Stringocephalus glaphyrus: new species, brachiopod (21)
Stringocephalus sapiens: new species, brachiopod (21)
Stromatopora arcuata: new species, stromatoporoid (31)
Stromatoporoids: Devonian, Canada (31)
Stropheodonta (Rhenostrophia): new subgenus, brachiopod (12)
Taleastroma lenzi: new species, stromatoporoid (31)
Taleastroma vitreum: new species, stromatoporoid (31)
Tapiravus polkensis: new species, tapir (72)
Techniques: magnetic separation of conodonts (23); measuring internal volumes of shells (56); photography (38, 45); ultrasonic cleaning (109)
Tennessee: Devonian trilobites (119)
Tensleep fauna: Pennsylvanian, Wyoming (40)
Tertiary: Foraminifera, New Jersey (74); ostracods, New Jersey (1); plants, India (82); prairie dog, South Dakota (36); tapir, Florida (72); termites, Mexico (105); wasp, Mexico (66)
Tessarolax trinalis: new species, gastropod (67)
Texas: Cretaceous ammonoid (18), barnacles (97), Denton formation (59); Miocene carnivores (121); Permian barnacles (97); Pleistocene sabertooth cat (104), vertebrates (46)
Thailand: Triassic ammonoids (58)
Thamniscus raribifurcatus: new species, bryozoan (14)
Toxolophosaurus cloudi: new genus and new species, reptile (73)
Triassic: ammonoids, Thailand (58); conodonts and Foraminifera, Alaska (8); hydrozoan, Cyprus (28)
Trilobites: Cambrian, Wyoming (61); Silurian, Indiana (114); Devonian, Quebec, Maine, New York, Tennessee, Oklahoma (119)
Trochammina sewellensis: new species, foraminifer (74)
Tryplasma fascicularium: new species, coral (71)
Turbinolia rosetta: new species, coral (43)
Turrilites (Turrilites) dilleri: new species, cephalopod (67)
Utah: Mississippian bryozoans (14)
Vaginulina crosswicksensis: new species, foraminifer (74)
Vaginulina marginata: new species, foraminifer (74)
Vaginulinopsis reddingensis: new species, foraminifer (115)
Valvulineria marianosi: new species, foraminifer (115)
Variety, use of: (103)
Verneuilina monmouthensis: new species, foraminifer (74)
Vertebrates: Pleistocene, Missouri (98), Texas (46); origin (85, 102); Pleistocene bison, South Dakota (37); Miocene carnivore, Texas (121); Cretaceous dinosaurs, Mexico (68), Montana (88); Miocene *Heterosorex*, Oregon (64); Oligocene insectivore, Montana (93); Oligocene lagomorphs, South Dakota and Colorado (15); Pliocene mammals, South Dakota (63); Cretaceous mosasaurs, Australia (62); Tertiary prairie dog, South Dakota (36); Cretaceous reptile, Montana (73); Oligocene rodents, South Dakota and Colorado (15); Pleistocene sabertooth cat, Texas (104); Tertiary tapir, Florida (72)
Virginia: Miocene foraminifer (95); Mississippian conodonts (86); Ordovician alga (75)
Wellsotrochus: new name, coral (107)
West Virginia: Mississippian conodonts (86); Silurian eurypterids (60)
Woodringina hornerstownensis: new species, foraminifer (74)
Wyoming: Cambrian faunas (61); Pennsylvanian Tensleep fauna (40)
Zygognathus maysvillensis: new species, conodont (83)